

2008 Engineering Conference Breakout Period 6.

4. Where are we going with GIS?

Track: Design

Presenters: Remmet DeGroot, Craig Hancock (back-up)

Synopsis: A strategic plan has been created as well as a GIS Committee. The future plans of GIS will be discussed in this meeting

Time Required: 50 Minutes

21. Basics of Historic Architectural components of 106

Track: Environmental, Project Management

Presenters: Elizabeth Giraud, Nelson Knight

Synopsis: Covers the basics of historic preservation beyond the requirements of section 106. Intent of session is to help consultants, UDOT environmental staff, project managers and public involvement managers make decisions regarding mitigation solutions and address the topic in public meetings. Session will cover the National Register, preservation incentives such as tax credits, and how communities use historic preservation as a planning tool.

Time Required: 50 Minutes

35. Meteorology for ~~Dummies~~ Transportation Engineers

Track: ITS / Traffic Management / Safety

Presenters: Ralph Patterson

Synopsis: This program is intended to introduce and/or broaden the engineers' scope and understanding of the broad spectrum of the Surface Transportation community's meteorological needs.

Topics will include: user needs, how to get the most out of your TOC meteorologist staff, accessing and understanding Road Weather Information Systems (RWIS), and basically interpreting the myriad of weather information available.

Some of the concepts that we hope participants will develop a better appreciation for are:

- Weather sensitivities and strategies for transportation operations.
- Every day use of RWIS and forecast information
- Methodologies involved in operational forecasting
- Basic understanding of how to utilize model data, radar and satellite imagery

Time Required: 50 minutes

49. CA4PRS: Design, Construction and Traffic Alternatives Software

Track: Project Management

Presenter: Dr. E.B. Lee

Synopsis: Construction Analysis for Pavement Rehabilitation Strategies is a decision-making tool to determine 'what if' scenarios to maximize project benefits in terms of pavement design, contracting and traffic impacts. The software provides constructability recommendations for pavement type, contracting method, construction scheduling and maintenance of traffic. Dr. Lee from the Berkeley Institute of Transportation Studies is creator of CA4PRS and is actively involved in construction/project management and transportation engineering. He has recently provided intensive CA4PRS training throughout UDOT and will present an overview of the software.

Time Required: 50 Minutes

57. Not “Just Another PowerPoint”: Tips for Making Your Next Presentation Stand Out

Track: Public Involvement

Presenters: Mike Brian (Partner, Penna Powers Brian Haynes)

Synopsis: Most people would define “live presentation” as: A terrifying situation where an individual is “put on the spot” to have other people stare at them while they attempt to communicate. It doesn’t have to be that way. How do you make your presentations stand out? What are some basic presenter techniques? What are the DOs and DON’Ts in presenting? This workshop will include tips for UDOT project managers, engineers, planners, and consultants to deliver memorable presentations that will impact both internal and external audiences. Whether you make formal or informal presentations to local government officials, planning organizations, professional associations, the general public, project teams or internal UDOT groups, this workshop is for you. And don't worry - you won't have to present.

Time Required: 50 Minutes

65. Innovative Intersection Design

Track: System Planning and Programming

Presenters: Michael Brown (WCEC Engineers, Inc.)

Synopsis: Continuous Flow, Parallel Flow, Town Center, Bowties, Roundabouts, Echelon and Arterial Interchanges – these are promising new designs for urban intersections that are context sensitive, incredibly efficient, and often surprisingly affordable especially if such a design is envisioned when adjacent land uses are first established. Compared to a freeway interchange, they can sometimes perform at 70% or higher, and cost only 30% or less.

Time Required: 50 Minutes

73. Validity of Concrete Testing – The Sequel

Track: Materials

Presenters: Ben Blakenship

Synopsis: The concrete test fest has been conducted several times now. This is a review of the latest data and an open discussion of how to utilize the data and make it meaningful to participants.

Time Required: 50 minutes

78. Preparing for a leadership/management Role

Track: Leadership/Organizational Issues

Presenters: Nathan Lee & Cory Pope

Synopsis: Tips about leadership and preparing for future opportunities. Insights into leadership roles and responsibilities. What we wish we would have known before reaching leadership positions. The power of mentors.

Time Required: 50 minutes